Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ P \_\_\_\_\_\_\_\_

HW#28: More Angles!!   
Geometry

Due: Wednesday, Oct. 20th

Failure to show work or use complete sentences when necessary will result in LaSalle.

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| *s*  14  13  12  11  *10*  8  7  9  *t*  5  1  2  4  3  *l*  6  *m* | Suppose *l* and *m* are parallel lines. What are the two different transversals to *l* and *m*? |
| 1. What is the relationship between and ? Explain how you know.     if , what is ?      1. and make three angles in a triangle. What would the sum of these three angles equal? How do you know?      If and is the answer you found from part 1 above, what is 2. and , and , and and are all angles in this picture that share the same relationship. What is that relationship? Explain how you know.     if is what you found from part 2 above, what is ? | |

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| --- |
| *t*      *s*  *m*  *l* |
| Suppose *l* and *m* are parallel. Below is a list of congruent angles, find the relationship that tells us that they are congruent.   |  |  | | --- | --- | | Angles | Relationship that tells us they are congruent. | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  |   List at least 4 pairs of adjacent supplementary angles in this picture. |